August 15, 2006

FIG. 1

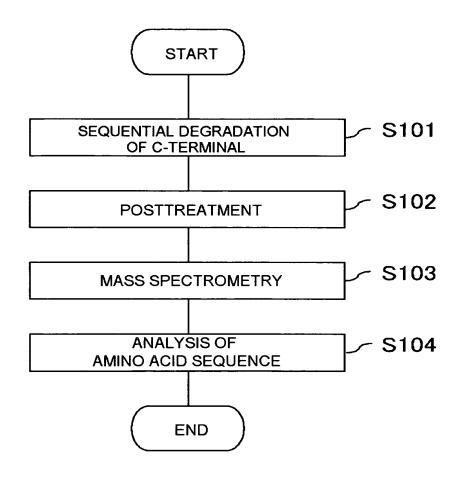


FIG. 2

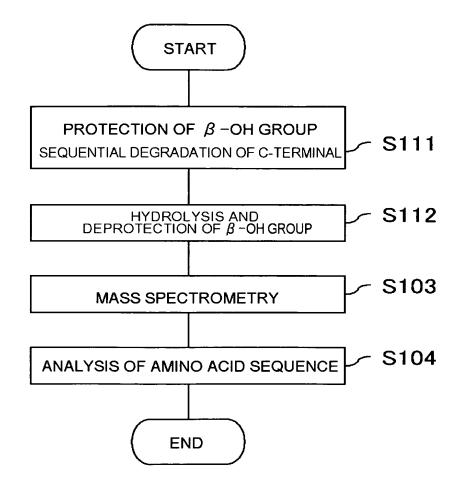
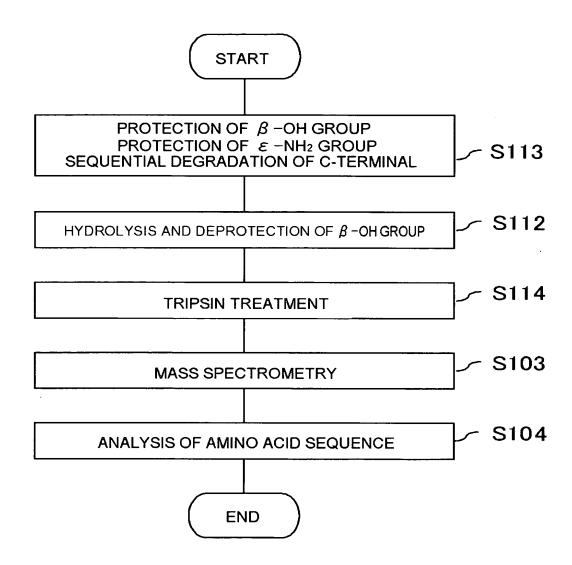
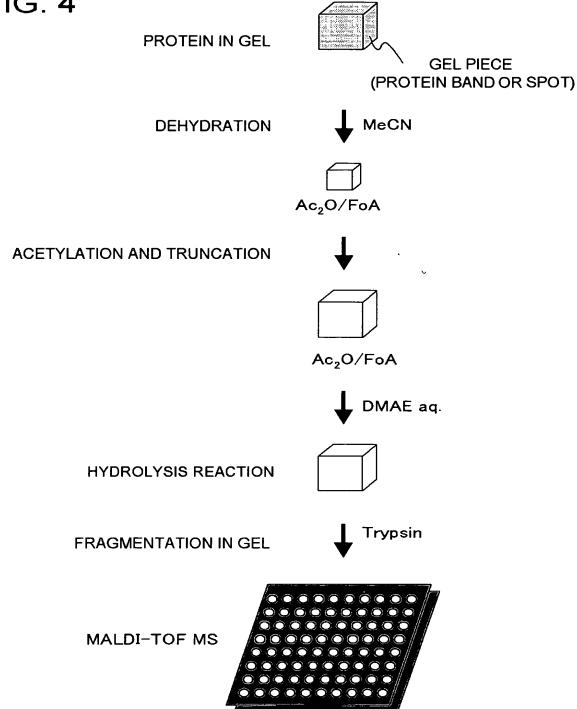


FIG. 3



## FIG. 4



Application of Kenji MIYAZAKI et al.
METHOD OF ANALYZING C-TERMINAL
AMINO ACID SEQUENCE OF PEPTIDE

Assignee: NEC CORPORATION Attorney Docket No.: Q96529

August 15, 2006

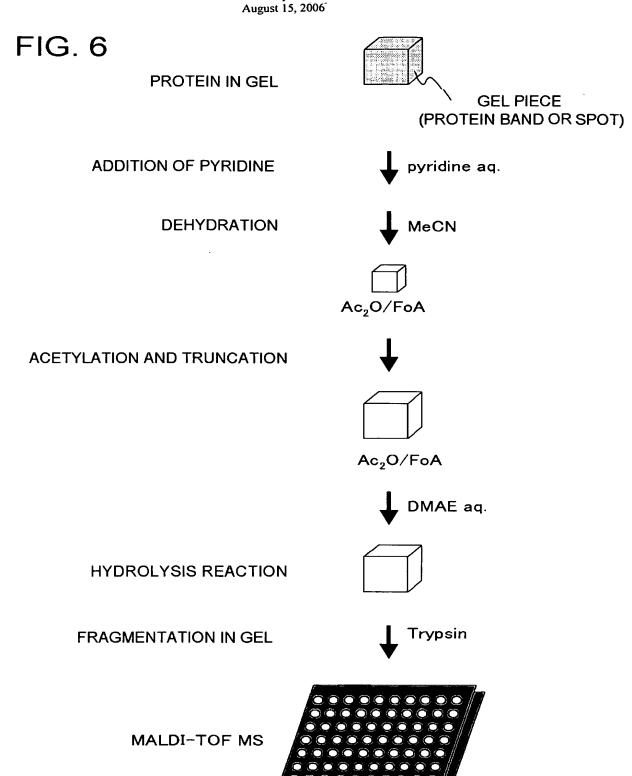
## FIG. 5

# REACTION CONDITION OF ACETYLATION AND TRUNCATION OF PROTEIN IN GEL (WITHOUT USE OF PERFLUORIC ACID)

REACTION	REAGENT COMPOSITION	TEMPERATURE	PERIOD
ACETYLATION AND TRUNCATION	1%~30% Ac₂O/FoA	50~100℃	4 TO 110 HOURS

#### REACTION CONDITION OF HYDROLYSIS OF PROTEIN IN GEL

REACTION	REAGENT COMPOSITION	TEMPERATURE	PERIOD
HYDROLYSIS	10~20% AQUEOUS DMAE SOLUTION	50~70℃	30 TO 120 MINUTES



## FIG. 7

#### myoglobin-horse

#### [1-153] mass = 17738.180 Cleavage at R

Small polar:					[	)(7	')		E(13)				N(3)				Q(6)																	
Large polar:					ŀ	<b>(</b> (1	9)		R	(2)			H(1	1)																				
Small non-polar:					5	S(5	)		T(7)				A(15)			G(15)																		
Large non-polar:						ı	_(1	7)		I(	9)			V(7	7)		M	1(2)	)		F(7	)	Υ	(2)	W(2)									
	Special:						(	C(0	)		P(4)																							
<b>K[</b> 1	16] +	42	.04				K[	42	] +	42	2.04	1				K[4	15]	+	42.	.04				ĸ	[4]	7] -	<b>⊦</b> 4:	2.04						
K[5	K[50] + 42.04 $K[56] + 42.04$						1	~ ~										K[63] + 42.04																
κ <u>[</u> 7	77] +	42	.04				ΚĮ	78	) +	42	2.04	4											K[87] + 42.04											
K[96] + 42.04 K[98] + 42.04						1												K[118] + 42.04																
K[1	33]	+ 4	2.0	4			K[	14	5]	+ 4	2.0	)4			1	K[1	47	] +	- 4:	2.04	4				-									
1	Gι	. S	ם	G	E	w	Q	Q	v	L	N	v	w	G	ĸ	v	E	Α	D	1	Α	G	н	G	a	F	v	LI	3	30				
31																									-	_		e d		60				
61	l k	< k	h	g	t	v	v	ı	t	а	ļ	g	g	i	ı	k	k	k	g	h	h	е	а	е	1	k	р	Ιa	, ,	90				
91	q s	s h	а	t	k	h	k	i	р	i	k	У	Ī	е	f	i	s	d	a	i	i	h	v	ŧ	h	s	k	h p	, 1	120				
121	gr	n f	g	а	d	а	q	g	a	m	t	k	а	1	е	1	f	r	Ν	D	1	Α	Α	K	Υ	ĸ	Ε	L G	; 1	150				
151	FG	G G	;				·																						1	153				
(1)			ı	[1-:	311	1 =	34	144	4 7	42	,	C	2)				13	2-1	139	91 :	= 1	126	39 <sup>-</sup>	26	349	3	(3)			[140-1	531 =	1630	s 80	9

FIG. 8

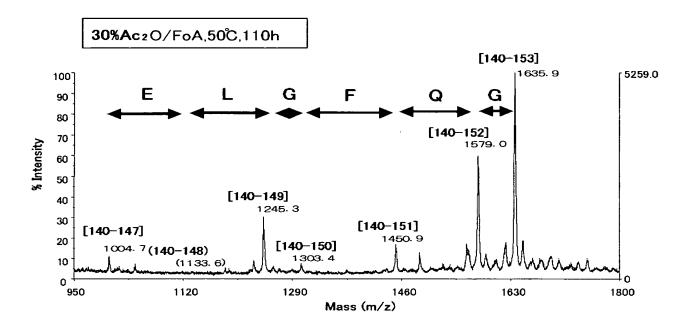
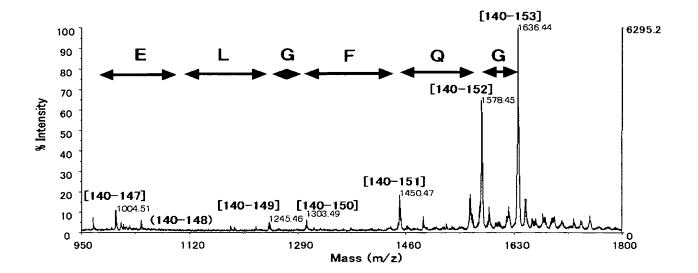


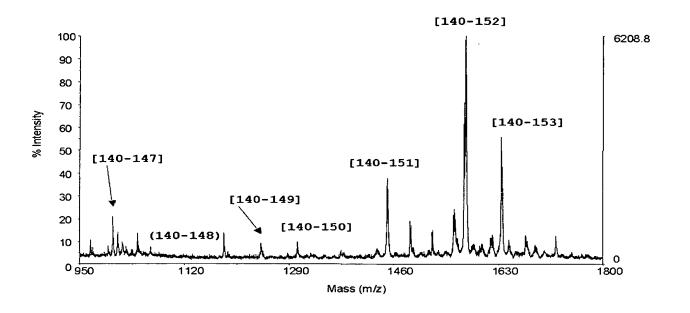
FIG. 9

AFTER PRETREATMENT WITH AQUEOUS 1% PYRIDINE SOLUTION, 30% Ac2O / FoA, 60°C \ 16 HOURS



## FIG. 10

# AFTER PRETREATMENT WITH AQUEOUS 20% PYRIDINE SOLUTION, 30% Ac2O/FoA, 60°C、16 HOURS



August 15, 2006

## FIG. 11

# AFTER PRETREATMENT WITH AQUEOUS 20% PYRIDINE SOLUTION, 30% Ac2O/FoA, 60°C、1 HOUR

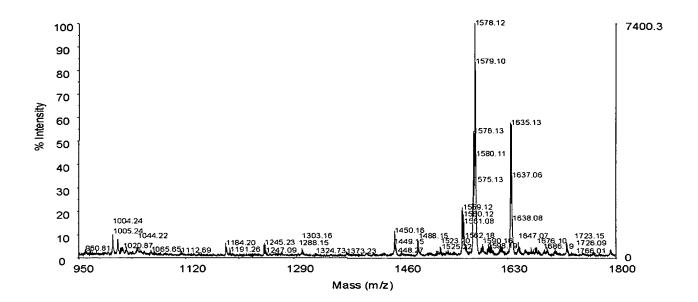


FIG. 12

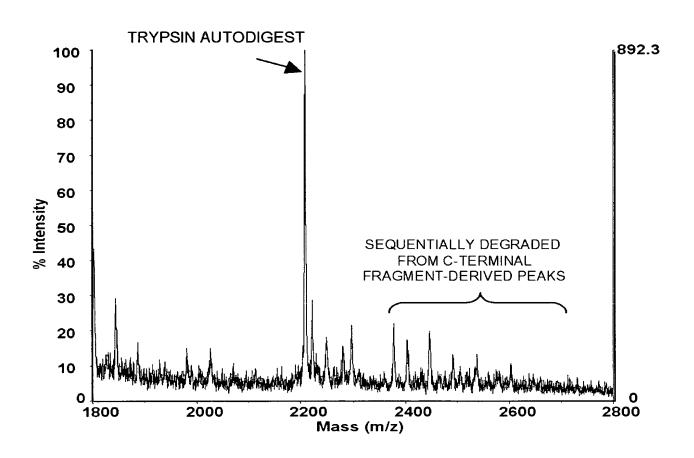


FIG. 13

#### TRYPSIN AUTODIGEST

